



SEQUENCE LISTING

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LI, Guofu

<120> ZINC FINGER PROTEINS FOR DNA BINDING AND GENE
REGULATION IN PLANTS

<130> 8325-0026 / S26-US1

<140> 10/055,713
<141> 2002-01-22

<150> 60/263,445
<151> 2001-01-22

<150> 60/290,716
<151> 2001-05-11

<160> 105

<170> PatentIn Ver. 2.0

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1 5 10 15

Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His

 20 25

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<400> 2
 ggcgtagac 9

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<400> 3
 ggcgacgta 9

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 <223> n = a, c, g or t

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 <222> (1)..(3)
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Thr Gly Glu Lys Pro
1 5

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Gly Gly Gly Gly Ser
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Gly Gly Arg Arg Gly Gly Gly Ser

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Leu Arg Gln Arg Asp Gly Glu Arg Pro

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Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro

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5

10

15

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1 5 10 15

Xaa Xaa His Gln Arg Thr His Thr Gly Glu Lys Pro
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Lys Lys Lys Ser Lys Gly His Glu Cys Pro Ile Cys Phe Arg Val Phe
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Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Lys Arg Ser His Thr Gly Glu
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Lys Pro

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1 5 10 15

Xaa Xaa His Lys Arg Leu His Thr Gly Glu Lys Pro
20 25

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 Xaa Xaa His Val Arg Ile His
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1 5 10 15
Xaa Xaa His Lys Arg Leu His Thr Gly Glu Lys Pro
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Xaa Xaa His Val Arg Ile His Gln Asn Lys Lys
20 25

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<211> 60
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ctg 63

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<223> Description of Artificial Sequence: target sequence

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<223> Description of Artificial Sequence: F1 recognition helix
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1 5

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Thr Ser Gly Asn Leu Val Arg
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1 5

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10

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5

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Arg Ser Asp His Leu Thr Thr
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Arg Ser Asp His Leu Thr Gln
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<210> 66
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<210> 71
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gaggaggagg

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5

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Arg Ser Asp Asn Leu Ala Arg

1

5

<210> 74

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<210> 82
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<210> 83
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gaggaagct 9

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<210> 85
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<210> 86

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<210> 87

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Asp Arg Ser His Leu Thr Arg
1 5

<210> 89

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Thr Ser Gly His Leu Thr Thr
1 5

<210> 90
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<210> 91
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1 5

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Arg Ser Asp Ala Leu Ser Arg
1 5

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1 5

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gtgtgggatt 10

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<400> 97
Arg Ser Asp His Leu Thr Thr
1 5

<210> 98
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ZFP 16 F3 recognition helix

<400> 98
Arg Ser Asp Ala Leu Thr Arg
1 5

<210> 99
<211> 18
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: GMT forward primer

<400> 99
aatgatctcg cggctgct 18

<210> 100
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: GMT reverse primer

<400> 100
gaatggctga tccaacgcat 20

<210> 101
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: GMT probe

<400> 101
tcactcgctc ataaggcttc cttccaagt 29

<210> 102
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 18S forward primer

<400> 102
tgcaacaaac cccgacttat g 21

<210> 103
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 18S reverse primer

<400> 103
cccgcgtcga ccttttatc 19

<210> 104
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: 18S probe

<400> 104
aataaatgcg tccctt

16

<210> 105
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recognition sequence

<400> 105
Gln Ala Leu Gly Gly His
1 5